PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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	ANSMITTAL LETTER TO THE UNITED STATES	ATTORNEY'S DOCKET NUMBER					
	DESIGNATED/ELECTED OFFICE (DO/EO/US)	B 5 3 7 0 0 1 8 U.S. APPLICATION NO. (If known, see 37 CFR 1.5)					
	CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED 2002						
PCT,	/CA2004/002040 26 November 2004	PRIORITY DATE CLAIMED 28 November 2003					
	TITLE OF INVENTION MULTIMODAL DETECTION OF TISSUE ABNORMALITIES BASED ON RAMAN AND						
	NT(S)FOR DO/EO/US NG,Haishan et al.						
	herewith submits to the United States Designated/Elected Office (DO/EC	O/US) the following items and other information:					
1. X	This is a FIRST submission of items concerning a submission under 35 U.S.C. 371						
2. 1	This is a SECOND or SUBSEQUENT submission of items concerning a submission	n under 35 U.S.C. 371,					
	This is an express request to begin national examination procedures (35 U.S.C. 37 (5), (6), (9) and (21) indicated below.	1(f)). The submission must include items					
4.	The US has been elected (Article 31).						
5. X	A copy of the International Application as filed (35 U.S.C. 371(c)(2))						
	a. is attached hereto (required only if not communicated by the Internation	nal Bureau).					
	b. X has been communicated by the International Bureau.						
	c. is not required, as the application was filed in the United States Receiving Office (RO/US).						
6. \square	An English language translation of the International Application as filed (35 U.S.C	C. 371(c)(2)).					
	a. is attached hereto.						
	b. has been previously submitted under 35 U.S.C. 154(d)(4).						
7.	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))					
	a. are attached hereto (required only if not communicated by the International Bureau).						
	b. have been communicated by the International Bureau.						
	c. have not been made; however, the time limit for making such amendn	nents has NOT expired.					
	d. X have not been made and will not be made.						
8.	An English language translation of the amendments to the claims under PCT Art	cicle 19 (35 U.S.C. 371(c)(3)).					
9.	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).						
10.	An English language translation of the annexes of the International Preliminary E Article 36 (35 U.S.C. 371(c)(5)).	xamination Report under PCT					
Items	11 to 20 below concern document(s) or information included:						
11.	An Information Disclosure Statement under 37 CFR 1.97 and 1.98.						
12.	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.						
13. X	A preliminary amendment.						
14. X	An Application Data Sheet under 37 CFR 1.76.						
15.	A substitute specification.						
16.	A power of attorney and/or change of address letter.						
17.	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.						
18.	A second copy of the published International Application under 35 U.S.C. 154(d)	(4).					
19.	A second copy of the English language translation of the international application	under 35 U.S.C. 154(d)(4).					
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This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. Page 1 of 3

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20. Other items or information: The following fees have been submitted 21. ☑ Basic national fee (37 CFR 1.492(a))	U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL AF	PLICATION NO.	ATTORNEY'S DOCKET NUMBER		
The following fees have been submitted 21. El Basic national fee (37 CFR 1.492(a)) 22. Examination fee (37 CFR 1.492(a)) 33. O 35. O 30. O 26. Examination prepared by ISAVIS or the international preliminary examination report prepared by IPEAVIS indicates all claims satisfy provisions of PCT Article 33(1)-(4)				PCT/CA2004	/002040	B537 0018	;
21.	20. Other ite	ems or informati	on:				
21.	The follow	ving fees have b	een submitted			CALCULATIONS	PTO USE ONLY
22. Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates as I claims satisfy provisions of PCT Article 33(1)-(4)		•			\$300	<u> </u>	
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)		· · · · · · · · · · · · · · · · · · ·				300	
by IPEAUS indicates all claims satisfy provisions of PCT Article 33(1)-(4)		`	. ,,				
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(3)-(4)	by IPEA/US	S indicates all cl	\$ 200				
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets	If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority					\$ 400	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets	Т	OTAL OF 21, 2:	2 and 23 =	- , ,		\$900	
thereof (round up to a whole number) -100 = /50 = x \$250 \$ Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). CLAIMS NUMBER FILED NUMBER EXTRA RATE \$ Total claims 34 -20 = 14	Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).						
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). CLAIMS NUMBER FILED NUMBER EXTRA RATE \$ Total claims 34 - 20 = 14 x \$50 \$700 Independent claims 3 - 3 = 0 x \$200 \$0 MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 \$ TOTAL OF ABOVE CALCULATIONS = \$1600 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. SUBTOTAL = \$800 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$800 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$800 Amount to be refunded: \$	Total Sheets E				RATE		
after the date of commencement of the national stage (37 CFR 1.492(h)). CLAIMS NUMBER FILED NUMBER EXTRA RATE Total claims 3 4 -20 = 1.4	- 100 =	/50 =			x \$250	\$	l
Total claims 34 - 20 = 14	Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration					\$	·
Independent claims 3 - 3 = 0 x \$200 \$ 0 MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 \$ TOTAL OF ABOVE CALCULATIONS = \$ 1600 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. SUBTOTAL = \$ 800 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). + TOTAL NATIONAL FEE = \$ 800 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$ 800 Amount to be refunded: \$ Amount to be	CLAIMS	NUMB	BER FILED	NUMBER EXTRA	RATE	\$	
Independent claims 3 -3 = 0 x \$200 \$ 0 MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 \$ TOTAL OF ABOVE CALCULATIONS = \$ 1600 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. SUBTOTAL = \$ 800 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). + TOTAL NATIONAL FEE = \$ 800 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$ 800 TOTAL FEES ENCLOSED = \$ 800 Amount to be refunded: \$ Amount to be	Total claims		34 - 20 =	14	x \$ 50	\$ 700	
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 \$ TOTAL OF ABOVE CALCULATIONS = \$1600 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. SUBTOTAL = \$800 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). + TOTAL NATIONAL FEE = \$800 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$800 Amount to be refunded: \$ Amount to be	Independent claims	3	3 -3=	0	x \$200		
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. SUBTOTAL = \$ 800 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$ 800 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$ 800 Amount to be refunded: \$ Amount to be	MULTIPLE DEPEN	IDENT CLAIM(S	i e				
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. SUBTOTAL = \$800 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$800 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$800 Amount to be refunded: Amount to be				TOTAL OF ABOVE	CALCULATIONS =	\$ 1600	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$800 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$800 Amount to be refunded: \$ Amount to be	Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.						
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Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$800 Amount to be refunded: \$ Amount to be	1 * *					i	·······
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Amount to be refunded: Amount to be compared to be	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied						
Amount to be refunded: Amount to be compared to be			\$ 800				
Amount to be ©				***************************************	,	Amount to be	\$
			,			Amount to be	\$

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а. 🔲	A check in the amount of \$ to cover the above fees is enclosed.			
b. X	Please charge my Deposit Account No. $02-1037$ n the amount of \$ 800 to cover the above fees. A duplicate copy of this sheet is enclosed.			
c. X	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. $0.2 - 1.0.3.7$. A duplicate copy of this sheet is enclosed.			
d. 🗌	Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.			
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.				
	CUSTOMER #000720 OYEN WIGGS GREEN & MUTALA LLP ATTENTION: GAVIN N. MANNING 36,412 REGISTRATION NUMBER			